

REMARKS

Claims 1-10 are pending in this application. The Examiner rejected Claims 1-5 under 35 U.S.C. §103(a) over Takei (US 5,585,807) in view of Saldell (US 5,661,495) and further in view of Phillips et al. (US 5,572,223). The Examiner rejected Claims 6-10 under 35 U.S.C. §103(a) over Takei, Phillips et al., and further in view of Chatzipetros (US 5,554,996).

Additionally, the Examiner has objected to the replacement drawings submitted with the prior Response. This objection is merely a confirmation of the Objection to the drawings by the draftsperson. As the drawings were resubmitted via facsimile (because the original Response was received by the U.S. Patent and Trademark Office, but never was received by the Examiner), the draftsperson objected to the facsimile copies. A clean set of drawings is attached hereto. Withdrawal of the objections is respectfully requested.

There are three independent claims pending in this application, Claims 1, 6 and 10. Claim 1 was rejected in view of the combination of Takei, Saldell and Phillips et al. Claims 6 and 10 were rejected in view of Takei, Phillips et al. and Chatzipetros.

Takei discloses a small antenna for a portable radio phone. Saldell discloses an antenna device for portable equipment. Phillips et al. discloses an apparatus for a multi-position antenna. Chatzipetros discloses an antenna for a communication device. The Examiner relies on the doctrine of inherency to reject the element of "thereby dispersing a peak current distribution point" as recited in Claims 1, 6 and 10. It appears that the Examiner is reading the word "dispersing" as meaning to diffuse, scatter or spread, such that the conductor merely spreads out the current distribution. It is respectfully submitted that the present invention adds the conductor so that the electrical equivalent length of the portable radio terminal is 1/2 the wavelength, which is used, not to *disperse* the peak current distribution point, but to actually

*shift* the peak current distribution point and reduce the peak current level.

It is also respectfully submitted that the present application discloses the insertion of a conductive substance onto a printed circuit board or in a flip cover of a radio telephone such that the total length of the antenna is equal to  $\frac{1}{2}$  the wavelength of the radio signal, which in turn changes the position of the peak radiation current distribution point and reduces the magnitude of the peak radiation, which in turn minimizes the exposure to electromagnetic radiation. By reducing the near field current density in the vicinity of a user's head the influence of the electromagnetic radiation is also reduced.

Regarding Claim 1, the Examiner rejected the claim under a combination of Takei, Saldell, and Phillips et al. As none of the cited references discloses the concept of shifting and reducing the peak current distribution point, Claim 1 has been amended to recite these elements. Based on at least the foregoing amendments and remarks, withdrawal of the rejection of Claim 1 is respectfully requested.

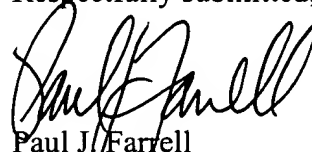
Regarding independent Claims 6 and 10, the Examiner rejected the claims under a combination of Takei, Phillips et al., and Chatzipetros. Claims 6 and 10 each recite "thereby shifting a peak current distribution point". As none of the cited references discloses the concept of shifting and reducing the peak current distribution point, Claims 6 and 10 have been amended to recite these elements. Based on at least the foregoing amendments and remarks, withdrawal of the rejections of Claims 6 and 10 is respectfully requested.

Independent Claims 1, 6 and 10 are believed to be in condition for allowance. Without conceding the patentability per se of dependent Claims 2-5 and 7-9, these are likewise believed to be allowable by virtue of their dependence on their respective amended independent claims. Accordingly, reconsideration and withdrawal of the rejections of dependent Claims 2-5 and 7-9

is respectfully requested.

Accordingly, all of the claims pending in the Application, namely, Claims 1-10, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", is written over the typed name.

Paul J. Farrell

Reg. No. 33,494

Attorney for Applicant(s)

**DILWORTH & BARRESE, LLP**  
333 Earle Ovington Boulevard  
Uniondale, New York 11553  
TEL: (516) 228-8484